\_\_\_\_\_\_

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=7; day=7; hr=13; min=47; sec=16; ms=579; ]

\_\_\_\_\_\_

## Validated By CRFValidator v 1.0.3

Application No: 10582304 Version No: 2.0

Input Set:

Output Set:

**Started:** 2009-07-06 12:46:32.719 **Finished:** 2009-07-06 12:46:34.629

**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 910 ms

Total Warnings: 15
Total Errors: 0

No. of SeqIDs Defined: 29

Actual SeqID Count: 29

Error code		Error Descript	ion								
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(15)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(16)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(17)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(18)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(19)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(20)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(21)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(22)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(23)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(24)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(25)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(26)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(27)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(28)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(29)

## SEQUENCE LISTING

<110>	1	KIMUE ISUCE NANAN IOMIN KAWAI	HIYA, MI, N MATSU	MASAH J, T	SAYUF HIKO AKASF											
<120>	> (	Cell Death Inducing Agent														
<130>	> [	14875-0166US1														
<140><141>		10582304 2009-07-06														
<150> <151>		PCT/JP2004/018501 2004-12-10														
<150> <151>		JP 2003-415758 2003-12-12														
<160>	> 2	29														
<170>	> I	PatentIn version 3.1														
<210 <211 <212	> : > I	L L572 DNA														
<213>		Mus m	nuscu	ılus												
<220>		CDS														
<222		(14)	(15	561)												
<400	> 1	L														
cctga	aatt	ecc a	1	-	-		Ser :					Phe :		ctg Leu		49
ata a		_		_		_	_	_	_	_	_	_				97
gag o	_		_			_			_	_		_	_	_		145
ggc t Gly 7 45					_								_			193
gga o	_			-									-	-		241
act q	gat	tac	aat	gag	aag	ttc	agg	ggc	aag	acc	aca	ctg	act	gca	gac	289

Thr	Asp	Tyr	Asn	Glu	Lys	Phe	Arg	Gly	Lys	Thr	Thr	Leu	Thr	Ala	Asp
			80					85					90		

	80		85		90	
	r Ser Thr	_	e Leu Leu	agc agc ctg Ser Ser Leu 105		
				gac gac ttt Asp Asp Phe 120	_	
		_		ggt gga ggc Gly Gly Gly 135		
			_	att gtt ctc Ile Val Leu	_	_
_	_	_		aag gtc acc Lys Val Thr		_
	r Ser Ser	-	r Met His	tgg ttc cag Trp Phe Gln 185		
			_	aca tcc aac Thr Ser Asn 200		
	_			tet ggg acc Ser Gly Thr 215		
				gct gcc act Ala Ala Thr		=
			_	ggc tcg ggg Gly Ser Gly	_	_
	s Gly Gly		r Gly Gly	ggc gga tcc Gly Gly Ser 265		
				cct gag ctg Pro Glu Leu 280		
				tct ggc tac Ser Gly Tyr 295		
_				cct gga cag Pro Gly Gln		_

305 310 315

								_	-			gat Asp				1009
_				_			_		-	_		tcc Ser 345		_		1057
-			_		-	_	_				-	tct Ser		_		1105
	_	_		_	_	_		_				cag Gln				1153
		_										ggt Gly				1201
			_			_			_	_		gca Ala		_		1249
-					_	-				_	-	gcc Ala 425	_		-	1297
_	_		_				_	_	_			act Thr				1345
				-				_	-			gtc Val			-	1393
	_		_									aca Thr		_	-	1441
_		-	-	-	-	-				-	-	caa Gln		-	-	1489
			_			_			_	_		ata Ile 505		_		1537
_	-	_	_	gat Asp	_	tga	taa	gcg	geege	caa t	Ξ.					1572

<210> 2 <211> 514 <212> PRT

<213> Mus musculus

<400> 2

Met Arg Trp Ser Trp Ile Phe Leu Phe Leu Leu Ser Ile Thr Ala Gly
1 5 10 15

Val His Cys Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys 20 25 30

Pro Gly Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe 35 40 45

Thr Asp Tyr Phe Ile His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu 50 55 60

Glu Trp Ile Gly Trp Ile Phe Pro Gly Asp Asp Thr Thr Asp Tyr Asn 65 70 75 80

Glu Lys Phe Arg Gly Lys Thr Thr Leu Thr Ala Asp Lys Ser Ser Ser 85 90 95

Thr Ala Tyr Ile Leu Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Met 100 105 110

Tyr Phe Cys Val Arg Ser Asp Asp Phe Asp Tyr Trp Gly Gln Gly Thr
115 120 125

Thr Leu Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser 130 135 140

Ser Ala Ser Pro Gly Glu Lys Val Thr Ile Thr Cys Ser Ala Ser Ser 165 170 175

Ser Val Ser Tyr Met His Trp Phe Gln Gln Lys Pro Gly Thr Phe Pro 180 185 190

Lys Leu Trp Ile Tyr Ser Thr Ser Asn Leu Ala Ser Gly Val Pro Thr
195 200 205

Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser 210 215 220

Arg Met Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Arg Thr 225 230 235 240

Ser Tyr Pro Pro Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys Gly
245 250 255

Gly Gly Gly Ser Gly Gly Gly Gly Gly Gly Gly Ser Gln Val 260 265 270

Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala Ser Val 275 280 285

Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr Phe Ile His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly Trp Ile Phe Pro Gly Asp Asp Thr Thr Asp Tyr Asn Glu Lys Phe Arg Gly Lys Thr Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr Ile Leu Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Met Tyr Phe Cys Val Arg Ser Asp Asp Phe Asp Tyr Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gln Ile Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly Glu Lys Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met His Trp Phe Gln Gln Lys Pro Gly Thr Phe Pro Lys Leu Trp Ile Tyr Ser Thr Ser Asn Leu Ala Ser Gly Val Pro Thr Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg Met Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Arg Thr Ser Tyr Pro Pro Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys Asp Tyr Lys Asp Asp Asp Lys

<210> 3
<211> 5
<212> PRT
<213> Mus musculus
<400> 3
Asp Tyr Phe Ile His
1 5

```
<211> 17
<212> PRT
<213> Mus musculus
<400> 4
Trp Ile Phe Pro Gly Asp Asp Thr Thr Asp Tyr Asn Glu Lys Phe Arg
    5
                   10
Gly
<210> 5
<211> 6
<212> PRT
<213> Mus musculus
<400> 5
Ser Asp Asp Phe Asp Tyr
1 5
<210> 6
<211> 10
<212> PRT
<213> Mus musculus
<400> 6
Ser Ala Ser Ser Ser Val Ser Tyr Met His
1 5
<210> 7
<211> 7
<212> PRT
<213> Mus musculus
<400> 7
Ser Thr Ser Asn Leu Ala Ser
1 5
<210> 8
<211> 9
<212> PRT
<213> Mus musculus
<400> 8
Gln Gln Arg Thr Ser Tyr Pro Pro Thr
<210> 9
<211> 402
```

<210> 4

<212> DNA

```
<213> Mus musculus
<220>
<221> CDS
<222> (1)..(402)
<400> 9
atg cga tgg agc tgg atc ttt ctc ttc ctc ctg tca ata act gca ggt
                                                                      48
Met Arg Trp Ser Trp Ile Phe Leu Phe Leu Ser Ile Thr Ala Gly
gtc cat tgc cag gtc cag ttg cag cag tct gga cct gag ctg gtg aag
                                                                      96
Val His Cys Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys
           20
                                25
cct ggg gct tca gtg aag atg tct tgt aag gct tct ggc tac acc ttc
                                                                     144
Pro Gly Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe
        35
aca gac tac ttt ata cac tgg gtg aaa cag agg cct gga cag gga ctt
                                                                     192
Thr Asp Tyr Phe Ile His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu
                        55
gaa tgg att gga tgg att ttt cct gga gat gat act act gat tac aat
                                                                     240
Glu Trp Ile Gly Trp Ile Phe Pro Gly Asp Asp Thr Thr Asp Tyr Asn
65
                   7.0
                                        75
gag aag ttc agg ggc aag acc aca ctg act gca gac aaa tcc tcc agc
                                                                     288
Glu Lys Phe Arg Gly Lys Thr Thr Leu Thr Ala Asp Lys Ser Ser Ser
aca gcc tac att ttg ctc agc agc ctg acc tct gag gac tct gcg atg
                                                                     336
Thr Ala Tyr Ile Leu Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Met
           100
                               105
                                                   110
tat ttc tgt gta agg agt gac gac ttt gac tac tgg ggc cag ggc acc
                                                                     384
Tyr Phe Cys Val Arg Ser Asp Asp Phe Asp Tyr Trp Gly Gln Gly Thr
       115
                          120
act ctc aca gtc tcc tca
                                                                     402
Thr Leu Thr Val Ser Ser
   130
<210> 10
<211> 134
<212> PRT
<213> Mus musculus
<400> 10
Met Arg Trp Ser Trp Ile Phe Leu Phe Leu Ser Ile Thr Ala Gly
                                    10
Val His Cys Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys
            20
                                25
```

Pro Gly Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe

35 40 45

Thr Asp Tyr Phe Ile His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu 55 Glu Trp Ile Gly Trp Ile Phe Pro Gly Asp Asp Thr Thr Asp Tyr Asn 70 75 Glu Lys Phe Arg Gly Lys Thr Thr Leu Thr Ala Asp Lys Ser Ser Ser 85 90 Thr Ala Tyr Ile Leu Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Met 100 105 Tyr Phe Cys Val Arg Ser Asp Asp Phe Asp Tyr Trp Gly Gln Gly Thr 115 120 Thr Leu Thr Val Ser Ser 130 <210> 11 <211> 384 <212> DNA <213> Mus musculus <220> <221> CDS <222> (1)..(384) <400> 11 atg cat ttt caa gtg cag att ttc agc ttc ctg cta atc agt gcc tca 48 Met His Phe Gln Val Gln Ile Phe Ser Phe Leu Leu Ile Ser Ala Ser 5 10 gtc atc atg tcc aga gga caa att gtt ctc acc cag tcg cca gca atc Val Ile Met Ser Arg Gly Gln Ile Val Leu Thr Gln Ser Pro Ala Ile 20 25 atg tct gca tct cca ggg gag aag gtc acc ata acc tgc agt gcc agc 144 Met Ser Ala Ser Pro Gly Glu Lys Val Thr Ile Thr Cys Ser Ala Ser 35 40 tca agt gta agt tac atg cac tgg ttc cag cag aag cca ggc act ttt 192 Ser Ser Val Ser Tyr Met His Trp Phe Gln Gln Lys Pro Gly Thr Phe 50 ccc aaa ctc tgg att tat agc aca tcc aac ctg gct tct gga gtc cct 240 Pro Lys Leu Trp Ile Tyr Ser Thr Ser Asn Leu Ala Ser Gly Val Pro 70 75 288 act cgc ttc agt ggc agt gga tct ggg acc tct tac tct ctc aca atc Thr Arg Phe Ser Gly